

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 November 2003 (06.11.2003)

PCT

(10) International Publication Number  
**WO 2003/091381 A3**

(51) International Patent Classification<sup>7</sup>: **C07K 14/47**,  
C12Q 1/68

(21) International Application Number:  
PCT/EP2003/004546

(22) International Filing Date: 25 April 2003 (25.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0209640.2 26 April 2002 (26.04.2002) GB  
0215188.4 1 July 2002 (01.07.2002) GB

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:  
1 April 2004

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: HEIGHT-RELATED GENE

(57) Abstract: The application relates to isolated regions and genes from the Y chromosome which encompass the Y specific growth gene GCY. Probes and primers are also provided.

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/E 03/04546

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07K14/47 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EMBL, BIOSIS, MEDLINE, BIOTECHNOLOGY ABS, CHEM ABS Data, EPO-Internal, SEQUENCE SEARCH, PAJ, SCISEARCH, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ROUSSEAUX-PREVOST ROSELYNE ET AL: "Molecular mapping of a Yq deletion in a patient with normal stature" HUMAN GENETICS, vol. 98, no. 4, 1996, pages 505-507, XP002258856 ISSN: 0340-6717 the whole document	1-13
X	SALO PIA ET AL: "Deletion mapping of stature determinants on the long arm of the Y chromosome" HUMAN GENETICS, vol. 95, no. 3, 1995, pages 283-286, XP009019579 ISSN: 0340-6717 abstract	1-13

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

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Date of the actual completion of the international search

27 October 2003

Date of mailing of the international search report

10/11/2003

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International Application No

PCT/EP 03/04546

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KIRSCH STEFAN ET AL: "FISH deletion mapping defines a single location for the Y chromosome stature gene, GCY" JOURNAL OF MEDICAL GENETICS, vol. 37, no. 8, August 2000 (2000-08), pages 593-599, XP009019590 ISSN: 0022-2593 the whole document	1-13
X	DATABASE EMBL 'Online! EMBL; Homo sapiens BAC clone RP11-461H6 from Y, 29 October 1999 (1999-10-29) SULSTON J.E., WILSON R.: "Towards a complete genome sequence" retrieved from EBI Database accession no. AC012502 XP002258859 abstract	1-5
X	DATABASE EMBL 'Online! EMBL; Homo sapiens BAC clone RP11-75F5 from Y, 6 October 1999 (1999-10-06) SULSTON J.E., WILSON R.: "Towards a complete human genome sequence" retrieved from EBI Database accession no. AC011293 XP002258860 abstract	1-5
A	TILFORD CHARLES A ET AL: "A physical map of the human Y chromosome" NATURE (LONDON), vol. 409, no. 6822, 15 February 2001 (2001-02-15), pages 943-945, XP002259208 ISSN: 0028-0836 abstract	1-13
A	ZHANG SHANXIANG ET AL: "Physical and transcript map of a 2-Mb region in Xp22.1 containing candidate genes for X-linked mental retardation and short stature." GENOMICS. UNITED STATES MAR 2002, vol. 79, no. 3, March 2002 (2002-03), pages 274-277, XP002258857 ISSN: 0888-7543 abstract	1-13

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International Application No

PCT/EP 03/04546

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	ZABAROVSKA VERONIKA I ET AL: "A new approach to genome mapping and sequencing: slalom libraries." NUCLEIC ACIDS RESEARCH. ENGLAND 15 JAN 2002, vol. 30, no. 2, 15 January 2002 (2002-01-15), page E6 XP002258858 ISSN: 1362-4962 abstract	1-13
P,X	----- KIRSCH S ET AL: "Localisation of the Y chromosome stature gene to a 700 kb interval in close proximity to the centromere" JOURNAL OF MEDICAL GENETICS, vol. 39, no. 7, July 2002 (2002-07), pages 507-513, XP009019595 ISSN: 0022-2593 the whole document -----	1-13